

Hideo Yokota

List of Publications by Year in descending order

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47
papers

632
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686830

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docs citations

49
times ranked

873
citing authors

#	ARTICLE	IF	CITATIONS
1	Glaucoma Diagnosis with Machine Learning Based on Optical Coherence Tomography and Color Fundus Images. <i>Journal of Healthcare Engineering</i> , 2019, 2019, 1-9.	1.1	120
2	Nuclear pore formation but not nuclear growth is governed by cyclin-dependent kinases (Cdks) during interphase. <i>Nature Structural and Molecular Biology</i> , 2010, 17, 1065-1071.	3.6	94
3	Three-dimensional tracking of plus-tips by lattice light-sheet microscopy permits the quantification of microtubule growth trajectories within the mitotic apparatus. <i>Journal of Biomedical Optics</i> , 2015, 20, 1.	1.4	49
4	Artificial oxygen carriers rescue placental hypoxia and improve fetal development in the rat pre-eclampsia model. <i>Scientific Reports</i> , 2015, 5, 15271.	1.6	43
5	Classification of optic disc shape in glaucoma using machine learning based on quantified ocular parameters. <i>PLoS ONE</i> , 2017, 12, e0190012.	1.1	34
6	Hierarchical deep learning models using transfer learning for disease detection and classification based on small number of medical images. <i>Scientific Reports</i> , 2021, 11, 4250.	1.6	29
7	Conformational plasticity of JRAB/MICAL-L2 provides a slow and ordered collective cell migration. <i>Molecular Biology of the Cell</i> , 2016, 27, 3095-3108.	0.9	22
8	A hepatic pDNA delivery system based on an intracellular environment sensitive vitamin E-scaffold lipid-like material with the aid of an anti-inflammatory drug. <i>Journal of Controlled Release</i> , 2018, 279, 262-270.	4.8	18
9	Continuous Wavelet Transform-Based Frequency Dispersion Compensation Method for Electromagnetic Time-Reversal Imaging. <i>IEEE Transactions on Antennas and Propagation</i> , 2017, 65, 1321-1329.	3.1	17
10	Analysis of preliminary local hardening close to the ferrite-martensite interface in dual-phase steel by a combination of finite element simulation and nanoindentation test. <i>International Journal of Mechanical Sciences</i> , 2020, 180, 105663.	3.6	17
11	Time Reversal Technique Based on Spatiotemporal Windows for Through the Wall Imaging. <i>IEEE Transactions on Antennas and Propagation</i> , 2017, 65, 3065-3072.	3.1	16
12	Subcell Modeling of Frequency-Dependent Thin Layers in the FDTD Method. <i>IEEE Transactions on Antennas and Propagation</i> , 2017, 65, 278-286.	3.1	15
13	A Statistical Parsimony Method for Uncertainty Quantification of FDTD Computation Based on the PCA and Ridge Regression. <i>IEEE Transactions on Antennas and Propagation</i> , 2019, 67, 4726-4737.	3.1	15
14	A General Framework for Building Surrogate Models for Uncertainty Quantification in Computational Electromagnetics. <i>IEEE Transactions on Antennas and Propagation</i> , 2022, 70, 1402-1414.	3.1	13
15	Frequency Dispersion Compensation Through Variable Window Utilization in Time-Reversal Techniques for Electromagnetic Waves. <i>IEEE Transactions on Antennas and Propagation</i> , 2016, 64, 3636-3639.	3.1	12
16	An automated three-dimensional internal structure observation system based on high-speed serial sectioning of steel materials. <i>Precision Engineering</i> , 2012, 36, 315-321.	1.8	9
17	Prediction of binding characteristics between von Willebrand factor and platelet glycoprotein Ib \pm with various mutations by molecular dynamic simulation. <i>Thrombosis Research</i> , 2019, 184, 129-135.	0.8	9
18	Potential different impact of inhibition of thrombin function and thrombin generation rate for the growth of thrombi formed at site of endothelial injury under blood flow condition. <i>Thrombosis Research</i> , 2019, 179, 121-127.	0.8	8

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19	Three-Dimensional Microscopic Elemental Analysis Using an Automated High-Precision Serial Sectioning System. <i>Microscopy and Microanalysis</i> , 2011, 17, 246-251.	0.2	7
20	HUMAN INDUCED PLURIPOTENT STEM CELL REGION DETECTION IN BRIGHT-FIELD MICROSCOPY IMAGES USING CONVOLUTIONAL NEURAL NETWORKS. <i>Biomedical Engineering - Applications, Basis and Communications</i> , 2019, 31, 1950009.	0.3	7
21	Multiscale Analysis of MnS Inclusion Distributions in High Strength Steel. <i>ISIJ International</i> , 2020, 60, 1714-1723.	0.6	7
22	Three-Dimensional Image of Cleavage Bodies in Nuclei Is Configured Using Gas Cluster Ion Beam with Time-of-Flight Secondary Ion Mass Spectrometry. <i>Scientific Reports</i> , 2015, 5, 10000.	1.6	6
23	A statistical image analysis framework for pore-free islands derived from heterogeneity distribution of nuclear pore complexes. <i>Scientific Reports</i> , 2017, 7, 16315.	1.6	6
24	Resolution Enhancement of UWB Time-Reversal Microwave Imaging in Dispersive Environments. <i>IEEE Transactions on Computational Imaging</i> , 2021, 7, 925-934.	2.6	6
25	Wavelength Selection of Near-Infrared Hyperspectral Imaging for Gastric Cancer Detection. , 2021, , .		5
26	Three-dimensional model of intracellular and intercellular Ca ²⁺ waves propagation in endothelial cells. <i>Biochemical and Biophysical Research Communications</i> , 2018, 505, 781-786.	1.0	4
27	Analysis of Nano-hardness Distribution Near the Ferrite-martensite Interface in a Dual Phase Steel with Factorization of Its Scattering Behavior. <i>ISIJ International</i> , 2021, 61, 473-480.	0.6	4
28	Efficient 3D observation of steel microstructure using serial sectioning with precision cutting and on-site etching. <i>Precision Engineering</i> , 2022, 75, 37-45.	1.8	4
29	Huygens Excitation in Debye Media in the FDTD Method. <i>IEEE Transactions on Antennas and Propagation</i> , 2016, 64, 3632-3635.	3.1	3
30	An Operator Absorbing Boundary Condition for the Absorption of Electromagnetic Waves in Dispersive Media. <i>IEEE Transactions on Antennas and Propagation</i> , 2018, 66, 2147-2150.	3.1	3
31	The Effectiveness of An Averaged Airway Model in Predicting the Airflow and Particle Transport Through the Airway. <i>Journal of Aerosol Medicine and Pulmonary Drug Delivery</i> , 2019, 32, 278-292.	0.7	3
32	Voxel-based simulation of flow and temperature in the human nasal cavity. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2020, 24, 1-8.	0.9	3
33	Contributing role of mitochondrial energy metabolism on platelet adhesion, activation and thrombus formation under blood flow conditions. <i>Platelets</i> , 2022, 33, 1083-1089.	1.1	3
34	Volume-based shape analysis for internal microstructure of steels. , 2014, , .		2
35	An end-to-end CNN and LSTM network with 3D anchors for mitotic cell detection in 4D microscopic images and its parallel implementation on multiple GPUs. <i>Neural Computing and Applications</i> , 2020, 32, 5669-5679.	3.2	2
36	Maloney and Smith Method for Modeling Debye-Media Thin Sheets in the FDTD Grid. <i>IEEE Transactions on Antennas and Propagation</i> , 2021, 69, 2209-2217.	3.1	2

#	ARTICLE	IF	CITATIONS
37	Multipoint indentation for material identification in three-dimensional observation based on serial sectioning. Precision Engineering, 2021, 69, 62-67.	1.8	2
38	Large-Scale Serial-Sectioning Observation of 3D Steel Microstructures Based on Efficient Exploring of Etching Conditions Using 3D Internal Structure Microscope. Mechanisms and Machine Science, 2020, , 841-850.	0.3	2
39	A metabolic reactionâ€“diffusion model for PKC ζ translocation via PIP2 hydrolysis in an endothelial cell. Biochemical Journal, 2020, 477, 4071-4084.	1.7	2
40	Accurate and fast mitotic detection using an anchor-free method based on full-scale connection with recurrent deep layer aggregation in 4D microscopy images. BMC Bioinformatics, 2021, 22, 91.	1.2	1
41	Artificial intelligence for classifying uncertain images by humans in determining choroidal vascular running pattern and comparisons with automated classification between artificial intelligence. PLoS ONE, 2021, 16, e0251553.	1.1	1
42	Novel measuring method of urethane-foam mattress deformation using X-ray CT. Transactions of the JSME (in Japanese), 2018, 84, 17-00443-17-00443.	0.1	0
43	Proposal and validation of polyconvex strain-energy function for biological soft tissues. Bio-Medical Materials and Engineering, 2021, 32, 131-144.	0.4	0
44	Compact-sized Cutting System for a Serial-block-face Scanning Electron Microscopy. Microscopy and Microanalysis, 2021, 27, 3176-3177.	0.2	0
45	PS3-3 Estimating mattress deformation with a person in the supine position using biomechanical simulation(PS3: Poster Short Presentation III,Poster Session). The Proceedings of the Asian Pacific Conference on Biomechanics Emerging Science and Technology in Biomechanics, 2015, 2015.8, 264.	0.0	0
46	Analysis of Nano-hardness Distribution Near the Ferrite-martensite Interface in a Dual Phase Steel with Factorization of Its Scattering Behavior. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 2020, 106, 944-952.	0.1	0
47	Morphology and function analyses of cell population using image processing. Drug Delivery System, 2021, 36, 277-285.	0.0	0